

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|------------------|
| S3 | 8 | "4482464".pn. or "5075383".pn. or "4636322".pn. or "4699724".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2006/11/17 14:24 |
| S2 | 2 | "6117825".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2006/11/17 14:24 |
| S4 | 4 | "4482464".pn. or "5075383".pn. or "4636322".pn. or "4699724".pn. | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/17 14:32 |
| S7 | 0 | succinimide with (aromatic adj polyamine) with (aliphatic adj polyamine) | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/17 14:33 |
| S8 | 22 | succinic with (aromatic adj polyamine) with (aliphatic adj polyamine) | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/17 14:34 |
| S9 | 17 | S8 and @ad<"20040310" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/17 14:35 |
| S11 | 1 | "5498809".pn. | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/17 14:45 |
| S17 | 232 | S14 and (aromatic near aliphatic) | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/17 14:46 |
| S16 | 298 | S14 and (aromatic with aliphatic) | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/17 14:46 |
| S15 | 395 | S14 and aromatic | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/17 14:46 |
| S14 | 435 | S13 and dispersant | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/17 14:46 |
| S13 | 704 | S12 and @ad<"20040310" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/17 14:46 |
| S12 | 904 | (succinic or maleic) with (mixture with polyamines) | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/17 14:47 |
| S19 | 2 | S18 and "508".clas. | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/17 14:48 |

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| S20 | 2874 | ((succinic or maleic) adj (acid or anhydride)) and "508".clas. and @ad<"20040310" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/17 14:49 |
| S18 | 89 | (succinic or maleic) with (mixture with aromatic with aliphatic with polyamines) | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/17 14:49 |
| S22 | 12 | (naphthyl adj phenylene adj diamine) and @ad<"20040310" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/17 15:45 |
| S21 | 97 | S20 and (aromatic adj polyamines) | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/17 15:45 |
| S23 | 21 | (naphthyl adj phenylene adj diamine) | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/17 15:48 |
| S25 | 2 | (molar adj ratio adj aliphatic adj polyamine) | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/17 15:49 |
| S24 | 200 | (molar adj ratio adj aliphatic) | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/17 15:49 |
| S27 | 0 | (aromatic adj polyamine) with (aliphatic adj polyamine) with ratio and @ad<"20040310" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/17 15:50 |
| S26 | 639 | (aromatic adj polyamine) with (aliphatic adj polyamine) and @ad<"20040310" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/17 15:50 |
| S6 | 0 | succinimide with (aromatic adj polyamine) with (aliphatic adj polyamine) and @ad<"20040310" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/17 15:50 |
| S28 | 7 | (aromatic adj polyamine) with (aliphatic adj polyamine) and "508".clas. and @ad<"20040310" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/17 15:51 |
| S29 | 49 | (one adj more adj polyamines) and "508".clas. and @ad<"20040310" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/17 16:01 |
| S31 | 0 | (one adj more adj polyamines) with ratio and "508".clas. and @ad<"20040310" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/17 16:11 |
| S30 | 2 | (one adj more adj polyamines) with aromatic and "508".clas. and @ad<"20040310" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/17 16:11 |
| S33 | 5 | S32 and "508".clas. | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/17 16:12 |

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| S32 | 105 | (mixed adj polyamines) and @ad<"20040310" and dispers\$3 | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/17 16:12 |
| S34 | 7 | succinimide with (aromatic adj polyamine) and @ad<"20040310" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/17 16:15 |
| S36 | 2 | ep-909805-\$.did. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2006/11/17 16:17 |
| S38 | 10 | (mixed adj succinimides) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2006/11/17 16:20 |
| S37 | 2 | "6734148".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2006/11/17 16:20 |
| S39 | 63 | (mixture adj succinimides) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2006/11/17 16:23 |
| S40 | 51 | S39 and @ad<"20040310" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2006/11/17 16:24 |
| S35 | 23 | succinic with (aromatic adj polyamine) and @ad<"20040310" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/20 15:38 |
| S43 | 255 | dispers\$3 with phenylenediamine and @ad<"20040310" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/20 15:39 |
| S42 | 16 | dispers\$3 with toluenediamine and @ad<"20040310" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/20 15:39 |
| S41 | 54 | succinic with toluenediamine and @ad<"20040310" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/20 15:39 |
| S44 | 383 | succinic with phenylenediamine and @ad<"20040310" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/20 15:42 |
| S47 | 36 | S46 not S45 | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/20 15:43 |

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| S50 | 242 | S49 not S46 | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/20 15:45 |
| S49 | 251 | S48 not (S43 or S44) | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/20 15:45 |
| S48 | 409 | maleic with phenylenediamine and @ad<"20040310" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/20 15:45 |
| S46 | 37 | succinimide with phenylenediamine and @ad<"20040310" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/20 15:45 |
| S45 | 13 | (S43 or S44) and "508".clas. | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/20 15:46 |
| S52 | 13 | dispersant with antioxidant with (multi adj functional) and @ad<"20040310" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/20 16:02 |
| S55 | 24 | S54 and antioxidant | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/20 16:06 |
| S54 | 269 | loper.in. | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/20 16:06 |
| S56 | 139 | loper.in. | DERWENT | AND | ON | 2006/11/20 16:27 |
| S51 | 4 | S50 and "508".clas. | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/20 16:57 |
| S58 | 3 | S57 and "508".clas. | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/20 16:58 |
| S57 | 271 | (phenylenediamine or toluenediamine) with dispers\$3 and @ad<"20040310" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/20 16:58 |
| S59 | 17 | S57 and "252".clas. | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/20 17:00 |
| S63 | 364 | S62 and aromatic | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/20 17:01 |
| S62 | 399 | S61 and succin\$5 | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/20 17:01 |
| S61 | 558 | S60 and "508".clas. | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/20 17:01 |

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| S65 | 91 | (amine adj mixture) with succin\$5 and @ad<"20040310" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/20 17:02 |
| S60 | 6470 | (amine adj mixture) and @ad<"20040310" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/20 17:02 |
| S64 | 53 | (amine adj mixture) with dispersant and @ad<"20040310" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/20 17:44 |
| S66 | 546 | (succinimide adj dispersants) and @ad<"20040310" and "508".clas. | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/20 17:45 |
| S67 | 10 | (5-aminoindole) with polyamine and "508".clas. and @ad<"20040310" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/20 17:53 |
| S10 | 1 | "5652201".pn. | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/20 17:53 |
| S68 | 0 | ep-1574559-\$.did | US-PGPUB; USPAT; USOCR; EPO | AND | ON | 2006/11/21 09:11 |
| S69 | 0 | ep-0909805-\$.did. | EPO; JPO; DERWENT | AND | ON | 2006/11/21 09:14 |
| S53 | 34 | loper.in. | EPO | AND | ON | 2006/11/21 09:14 |
| S71 | 1 | "6107258".pn. | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/21 16:14 |
| S70 | 2 | ep-909805-\$.did. | EPO; JPO; DERWENT | AND | ON | 2006/11/21 16:14 |
| S5 | 1 | "5614124".pn. | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/26 15:43 |
| S72 | 47 | methylvinylidene and "508".clas. and @ad<"20040310" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/26 16:11 |
| S75 | 1 | S74 and "508".clas. | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/26 16:14 |
| S74 | 219 | crosslinked with dispersant and @ad<"20040310" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/26 16:14 |
| S77 | 42 | polysuccinimide and "508".clas. and @ad<"20040310" | USPAT | AND | ON | 2006/11/26 16:26 |
| S76 | 16 | ("5062980").URPN. | USPAT | AND | ON | 2006/11/26 16:26 |

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| S78 | 693 | fuel and vehicle and succinimide and @ad<"20040310" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/26 17:51 |
| S81 | 278 | S80 and @ad<"20040310" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/26 17:53 |
| S80 | 306 | "44".clas. and vehicle and succinimide | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/26 17:53 |
| S79 | 65 | fuel\$3 near vehicle and succinimide and @ad<"20040310" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/26 17:56 |
| S83 | 1459 | fuel and (internal adj combustion adj engine) and "44".clas. and @ad<"20040310" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/26 17:57 |
| S82 | 93 | fuel\$3 near automobile and succinimide and @ad<"20040310" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/26 17:57 |
| S86 | 401 | S83 and succinimide | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/26 17:59 |
| S87 | 1 | (bis adj succinimide adj di adj amide adj amine) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2006/11/27 09:39 |
| S1 | 2 | ep-1318188-\$.did. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2006/11/27 09:39 |
| S88 | 219 | crosslinked with dispersant and @ad<"20040310" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/27 10:31 |
| S73 | 77 | crosslinked with succinimide and @ad<"20040310" | US-PGPUB; USPAT; USOCR | AND | ON | 2006/11/27 11:52 |
| L3 | 119 | crosslinked with dispersant and @ad<"20040310" | EPO; JPO; DERWENT | AND | ON | 2006/11/27 11:53 |
| L2 | 22 | crosslinked with succinimide and @ad<"20040310" | EPO; JPO; DERWENT | AND | ON | 2006/11/27 12:04 |
| L4 | 125 | 508/232.ccls. and @ad<"20040310" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2006/11/27 12:05 |